

Report Date: 25 Jun 2014

**Summary Report for Individual Task
551-88K-2701
Observe Weather Conditions Onboard a Vessel
Status: Approved**

Distribution Restriction: Approved for public release; distribution is unlimited.

Destruction Notice: None

Foreign Disclosure: FD6 - This product/publication has been reviewed by the product developers in coordination with the Fort Lee, VA. foreign disclosure authority. This product is releasable to students from foreign countries on a case-by-case basis.

Condition: Assigned as a crewmember aboard an Army vessel, given AR 56-9, DA Form 4640, TC 4-15.51, ink pen, pencil, aneroid, barometer, thermometer, psychrometer, maneuvering board, plotting tools, completed risk assessment, and personal protective equipment, day or night, in all weather conditions, in an operational environment scenario. Some iterations of this task should be performed in MOPP 4.

Standard: Employ weather instruments to determine weather conditions to prevent injury to personnel or damage to vessel. Record weather conditions accurately and legibly in DA 4640 IAW references.

Special Condition: None

Safety Risk: Low

MOPP 4: Sometimes

Task Statements

Cue: Given an OPORD/OPLAN to observe weather conditions onboard a vessel.

DANGER

Ensure personal flotation devices are utilized while taking readings outside of protected area on vessel.

WARNING

None

CAUTION

None

Remarks: None

Notes: None

Performance Steps

1. Observe weather conditions required in DA Form 4640 using weather instruments.

a. Observe wind.

(1) Identify direction.

(2) Identify force.

b. Observe temperature.

(1) Identify dry bulb temperature.

(2) Identify wet bulb temperature.

(3) Identify sea temperature.

c. Identify weather by symbols.

d. Observe the cloud formations.

(1) Identify the form.

(2) Identify direction moving from.

(3) Identify amount of clouds.

e. Observe seas.

(1) Identify sea condition.

(2) Identify direction the swells are moving from.

f. Identify distance of visibility.

2. Record hourly data identified while observing weather conditions in DA Form 4640 using instructions provided on form.

(Asterisks indicates a leader performance step.)

Evaluation Guidance: Score the Soldier GO if all steps are passed (P). Score the Soldier NO-GO if any step is failed (F). If the Soldier fails any step, show what was done wrong and how to do it correctly.

Evaluation Preparation: Ensure that all information, references and equipment required to perform the task are available. Use the TC and the evaluation guide to score the Soldier's performance. Brief the Soldier. Tell the Soldier what is required IAW the task conditions and standards.

PERFORMANCE MEASURES	GO	NO-GO	N/A
1. Observed weather conditions required in DA Form 4640 using weather instruments.			
2. Recorded hourly data identified while observing weather conditions in DA Form 4640 following the instructions provided on the form.			

Supporting Reference(s):

Step Number	Reference ID	Reference Name	Required	Primary
	AR 56-9	Watercraft	No	No
	DA FORM 4640	HARBOR BOAT DECK DEPARTMENT LOG FOR CLASS A&B VESSELS	No	No
	TC 4-15.51	Marine Crewman's Handbook	Yes	No

Environment: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-002 ENVIRONMENTAL-RELATED RISK ASSESSMENT. Environmental Statement: Environmental protection is not just the law but the right thing to do. It is a continual process and starts with deliberate planning. Always be alert to ways to protect our environment during training and missions. In doing so, you will contribute to the sustainment of our training resources while protecting people and the environment from harmful effects. Refer to FM 3-34.5 Environmental Considerations and GTA 05-08-02 ENVIRONMENTAL-RELATED RISK ASSESSMENT.

AR 200-1 delineates TRADOC responsibilities to integrate environmental requirements across DOTMLPF and ensures all training procedures, training manuals, and training doctrine includes sound environmental practices and considerations. The Army's environmental vision is to be a national leader in environmental and natural resource stewardship for present and future generations as an integral part of all Army missions. Environmental protection is never completed. Continuously be alert to ways to protect our environment and reduce waste. Leaders must ensure that their unit has an active and strong environmental program. They must understand the laws and know what actions to take. Leaders bring focus, direction, and commitment to environmental protection. Commanding officers should ensure the following environmental programs are in place and are being maintained:

- Hazardous materials program.
- Hazardous waste program.
- Hazardous communications program.
- Pollution prevention and hazardous waste minimization recycling program.
- Spill prevention and response plan program.

Safety: In a training environment, leaders must perform a risk assessment in accordance with ATP 5-19, Risk Management. Leaders will complete the current Deliberate Risk Assessment Worksheet in accordance with the TRADOC Safety Officer during the planning and completion of each task and sub-task by assessing mission, enemy, terrain and weather, troops and support available-time available and civil considerations, (METT-TC). Note: During MOPP training, leaders must ensure personnel are monitored for potential heat injury. Local policies and procedures must be followed during times of increased heat category in order to avoid heat related injury. Consider the MOPP work/rest cycles and water replacement guidelines IAW FM 3-11.4, Multiservice Tactics, Techniques, and Procedures for Nuclear, Biological, and Chemical (NBC) Protection, FM 3-11.5, Multiservice Tactics, Techniques, and Procedures for Chemical, Biological, Radiological, and Nuclear Decontamination.

All operations will be performed to protect and preserve Army personnel and property against accidental loss. Procedures will provide for public safety incidental to Army operations and activities and safe and healthful workplaces, procedures, and equipment. Observe all safety and/or environment precautions regarding electricity, cable, and lines. Provide ventilation for exhaust fumes during equipment operation and use hearing protection when required IAW AR 385-10, the Clean Air Act (CAA) and the CAA amendments, and the OSHA Hazard Communication standard.

Accidents are an unacceptable impediment to Army missions, readiness, morale, and resources. Decision makers at every level will employ risk management approaches to effectively preclude unacceptable risk to the safety of personnel and property affiliated with this task.

- (a) Take personal responsibility.
- (b) Practice safe operations.
- (c) Recognize unsafe acts and conditions.
- (d) Take action to prevent accidents.
- (e) Report unsafe acts and conditions.
- (f) Work as a team.

Prerequisite Individual Tasks :

Task Number	Title	Proponent	Status
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551-88K-1701	Prepare Visual Communication Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-1707	Determine Nautical Direction Using the Vessel's Magnetic Compass	551 - Transportation (Individual)	Approved

Supporting Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-1201	Record Entries in Vessel Logs Onboard Class A & B Vessels	551 - Transportation (Individual)	Approved
551-880-9069	NAVIGATE UTILIZING OPTIMUM TRACK SHIP ROUTING (OTSR) PLAN	551 - Transportation (Individual)	Approved
551-880-9020	IDENTIFY WORSENING SEA CONDITIONS WHILE OCEAN TOWING	551 - Transportation (Individual)	Approved
551-88K-4701	Analyze Weather Conditions Onboard a Vessel	551 - Transportation (Individual)	Approved
551-88K-1707	Determine Nautical Direction Using the Vessel's Magnetic Compass	551 - Transportation (Individual)	Approved

Supported Individual Tasks :

Task Number	Title	Proponent	Status
551-88K-3508	Monitor Harbor Tug Operations Onboard a Vessel	551 - Transportation (Individual)	Approved

Supported Collective Tasks :

Task Number	Title	Proponent	Status
55-2-0080	Provide Operational Control for Vessels	55 - Transportation (Collective)	Approved
55-2-0047	Perform Search and Rescue Operations	55 - Transportation (Collective)	Approved

ICTL Data :

ICTL Title	Personnel Type	MOS Data
MOS 88K Watercraft Operator SL 4	Enlisted	MOS: 88K, Skill Level: SL4, Duty Pos: TFJ
MOS 88K Watercraft Operator SL3	Enlisted	MOS: 88K, Skill Level: SL3, Duty Pos: TAV
MOS 88K Watercraft Operator-SL2	Enlisted	MOS: 88K, Skill Level: SL2, Duty Pos: TCF